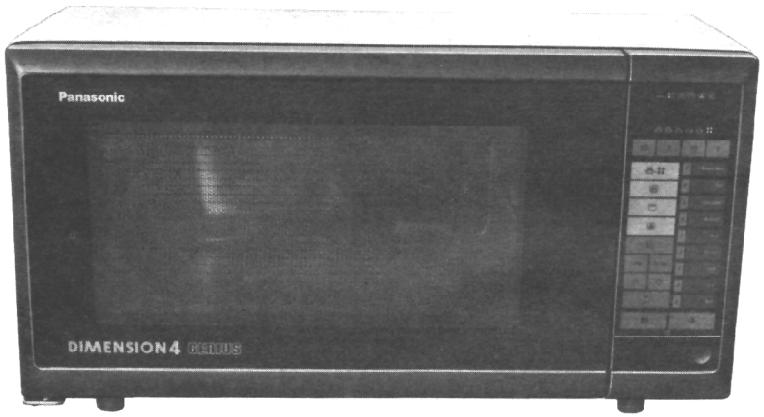
ORDER NO. CAD90090321C2

Service Manual

Microwave Oven

NN-8800, NN-8850
NN-8500, NN-8550



Specifications

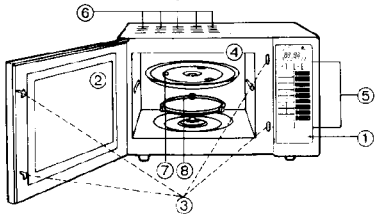
Power Source :	220 V AC Single Phase, 50 Hz
Power Requirement :	2,300W ····· Max. 1,420W (6.4A) ····· Microwave 1,870W (8.5A) ····· Convection 1,870W (8.5A) ····· Grill
High Frequency Output :	850W (IEC-705)
Microwave Frequency :	2,450 MHz
Timer :	99 min. 99 sec. ····· Touch Control models
Outside Dimensions :	555 mm (W) × 425 mm (D) × 305.5 mm (H)
Oven Cavity Dimensions :	375 mm (W) × 385 mm (D) × 201 mm (H)
Weight :	23.5 kg
Specifications subject to change without notice.	

Panasonic

Matsushita Electric Industrial Co., Ltd.
Central P.O. Box 288, Osaka 530-91, Japan

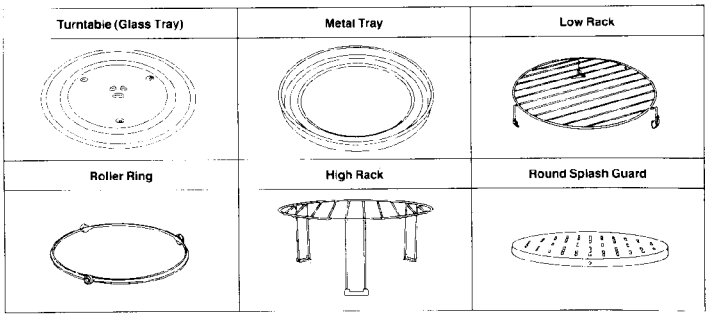
CONTROL PANEL

Feature Diagram



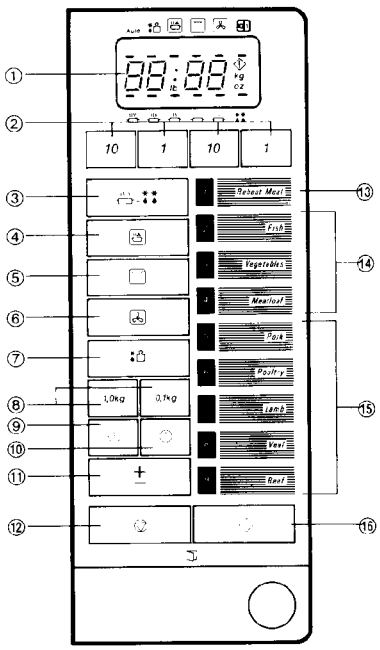
① Door Release Button
② Oven Window
③ Door Safety Lock System
④ Oven Air Vents
⑤ Control Panel
⑥ External Oven Air Vents
⑦ Glass Tray
⑧ Roller Ring

Oven Accessories

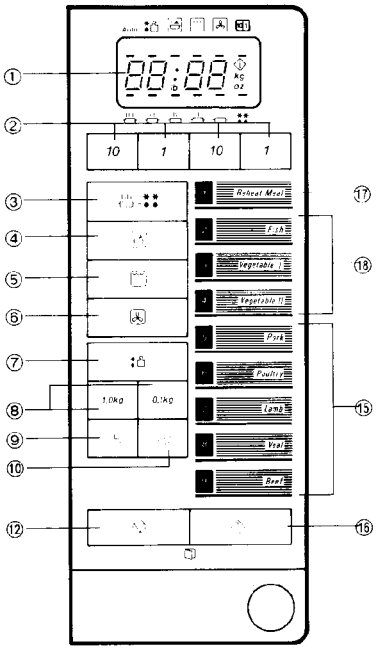


Control Panel

NN-8850/NN-8800



NN-8550/NN-8500



Controls with Auto Count-Up Feature*

① Display Window
② Time Pads*
③ Power Pad*
④ Combination Pad*
⑤ Grill Pad
⑥ Convection Pad*
⑦ Auto Defrost Pad
⑧ 1.0 kg Pad*
0.1 kg Pad*
⑨ Delay/Stand Pad
⑩ Clock Pad
⑪ More/Less Pad
⑫ Stop/Cancel Pad
⑬ Auto Sensor Reheat Pad
⑭ Auto Sensor Cook Pads
⑮ Auto Weight Combination Pads
⑯ Start Pad
⑰ Auto Weight Reheat Pad
⑱ Auto Weight Cook Pads

OPERATION AND DIGITAL PROGRAMMER CIRCUIT TEST PROCEDURE

1. To Set Clock

OPERATION	DISPLAY
1. Plug the power supply cord into wall receptacle.	88:88
2. Tap [Clock] pad. ( )	
3. Enter time of day (TOD) by tapping appropriate [number] pads. ([10][1][10][1])	11:25
4. Tap [Clock] pad. ( ) TOD has now been registered into the digital programmer circuit and will count up by minutes.	11:25

2. Time Cooking For Two Stage

OPERATION	DISPLAY
1. Place a water load in the oven.	
2. Tap [Power] pad once for High power. ( )(1st stage)	
3. Set for 5 seconds by tapping [Number] pad ([10][1][10][1]).	5
4. Tap [Power] pad 3 times for Medium power. ( ) (2nd stage)	
5. Set for 10 seconds by tapping [Number] pad. ([10][1][10][1])	10
6. Tap [Start] pad. ( ).	5
7. When first stage cooking time has elapsed, oven automatically switches to 2nd stage cooking.	10
8. When 2nd stage cooking time has elapsed, oven beeps 5 times and shuts off.	

3. Grill

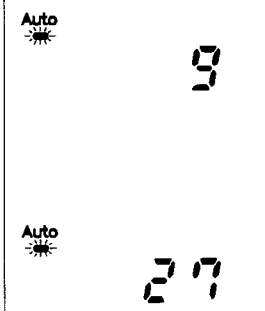
OPERATION	DISPLAY
1. Tap ( ) Pad.	
2. Set for 1 minute by tapping. ([10][1][10][1]) Pad.	1:00
3. Tap ( ) Pad.	1:00

4. Weight Defrost

OPERATION	DISPLAY
1. Tap Pad.	Auto kg
2. Set the weight for 1 kg by tapping [1.0] (kg) pad once.	Auto 1.0 kg
3. Tap ( ) Pad.	Auto (EP/YP model) — — — 3500 (UP model) — — — — 3000
4. Tap ( ) Pad twice Oven shuts off.	TOD reappears in the display window.

5. Humidity Sensor Cooking (NN-8800/8850)

NOTE: Make sure that the outer panel is installed before Humidity Sensor Cooking Test, since Humidity Sensor function does not operate properly without the outer panel.

OPERATION	DISPLAY
1. Pour 150 ± 15cc (4.5 ± 1/2 ozs) of room temperature water in a beaker, securely cover the top of the beaker with plastic wrap and place the beaker in the center of the oven.	COVER THE TOP OF THE BEAKER WITH PLASTIC WRAP
2. Tap Auto Key [2] (EPG). Auto Key [4] (UPG).	
3. Tap (◇) Pad.	
4. The humidity sensor detects steam about 2 to 5 minutes after the START Pad is tapped. Humidity Sensor Cooking (T1) automatically switches to time cooking (T2). "(EPG)2 (UPG)4" disappears with beep sounds and the remainder of cooking time appears in display window. NOTE: Cooking time will vary depending on the water temperature, the shape of beaker or the power source voltage. NOTE: K factor for (EPG)A2 (UPG)A4 program is 0.1.	 NOTE: If 9 to 27 (9 seconds to 27 seconds) appears, AUTO SENSOR FUNCTION is normal.
5. When the balance of cooking time has elapsed, oven stops and beeps five times.	• TOD reappears in the display window.

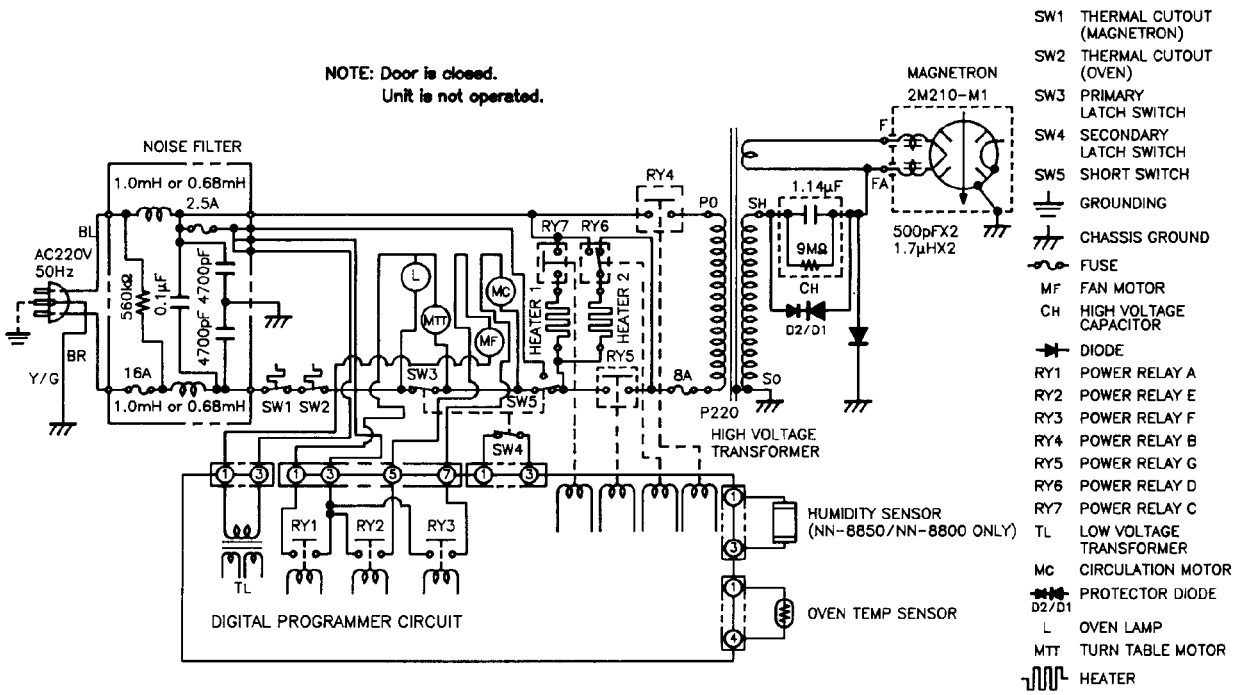
6. Combination Cooking

OPERATION	DISPLAY
1. Tap [combination] Pad once.	
2. Set cooking time for 1 minute.	
3. Tap (◇) Pad.	
4. When cooking time has elapsed. • Oven beeps five times and shuts off.	• TOD reappears in the display window.

7. Convection Cooking with Preheat

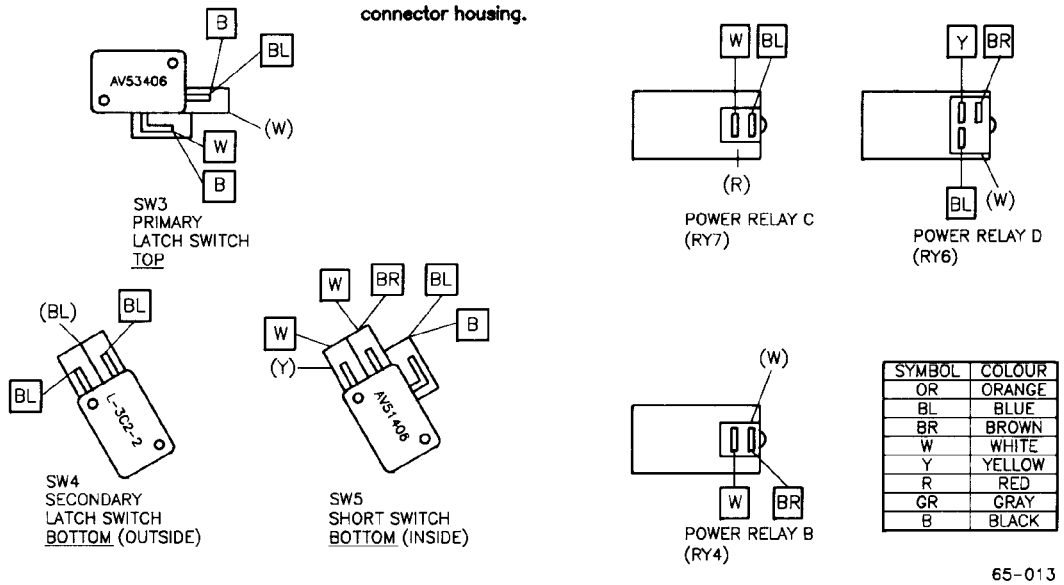
OPERATION	DISPLAY
1. Tap ([convection]) Pad once.	
2. Tap (◇) Pad.	
3. When preheating is completed, oven beeps 3 times.	
4. After completion of preheating, be sure to open the door.	
5. Close the door and set cooking time for 2 minutes.	
6. Tap (◇) Pad.	
7. When cooking time has elapsed. • Oven beeps five times and shuts off.	• TOD reappears in the display window.

SCHEMATIC DIAGRAM



WIRING DIAGRAM

NOTE: *When replacing, check the lead wire colour as shown.
*Colours shown by ( ) indicate colours of lead wire connector housing.

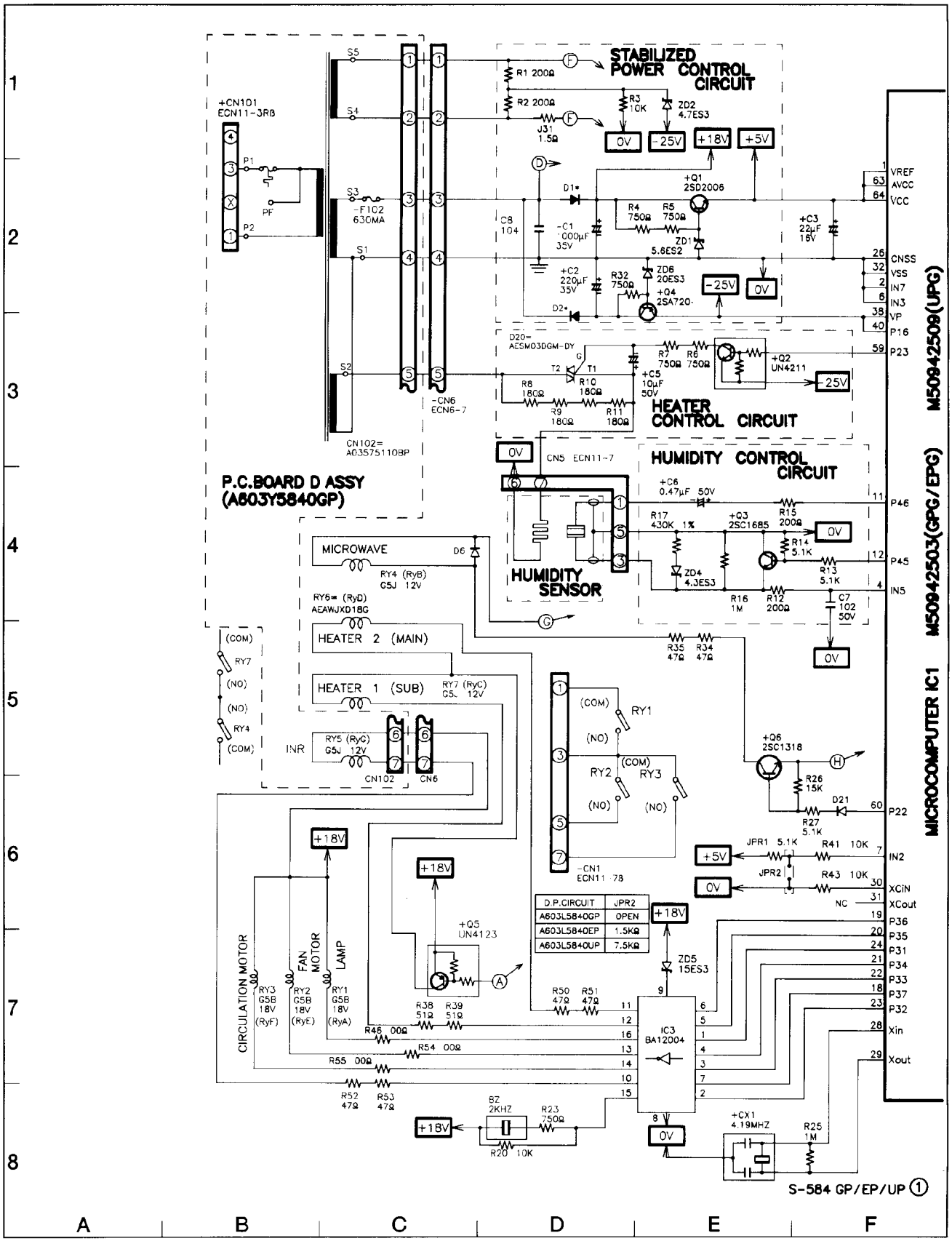


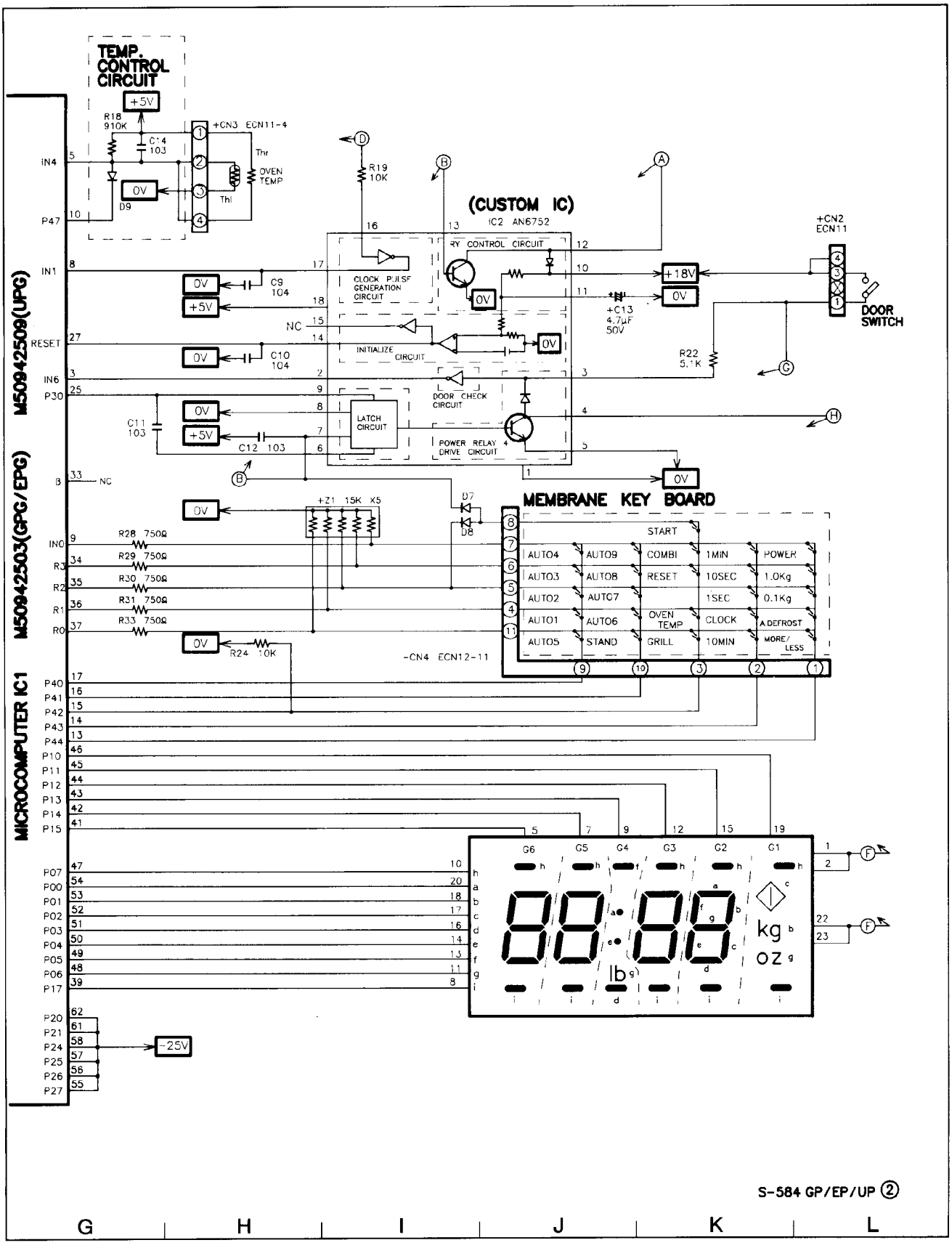
SYMBOL	COLOUR
OR	ORANGE
BL	BLUE
BR	BROWN
W	WHITE
Y	YELLOW
R	RED
GR	GRAY
B	BLACK

65-013

DIGITAL PROGRAMMER CIRCUIT (NN-8800, NN-8850)

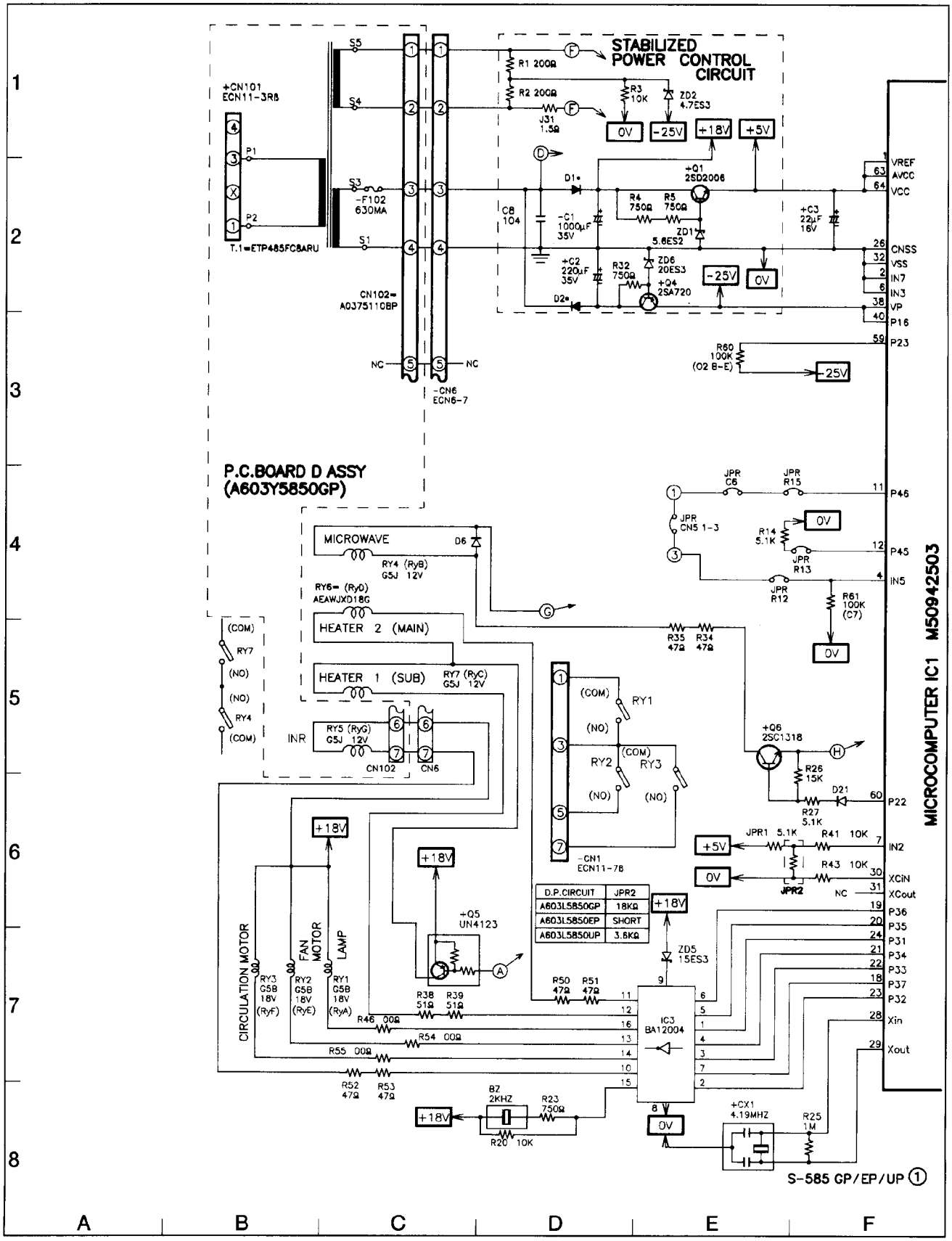
SCHEMATIC DIAGRAM

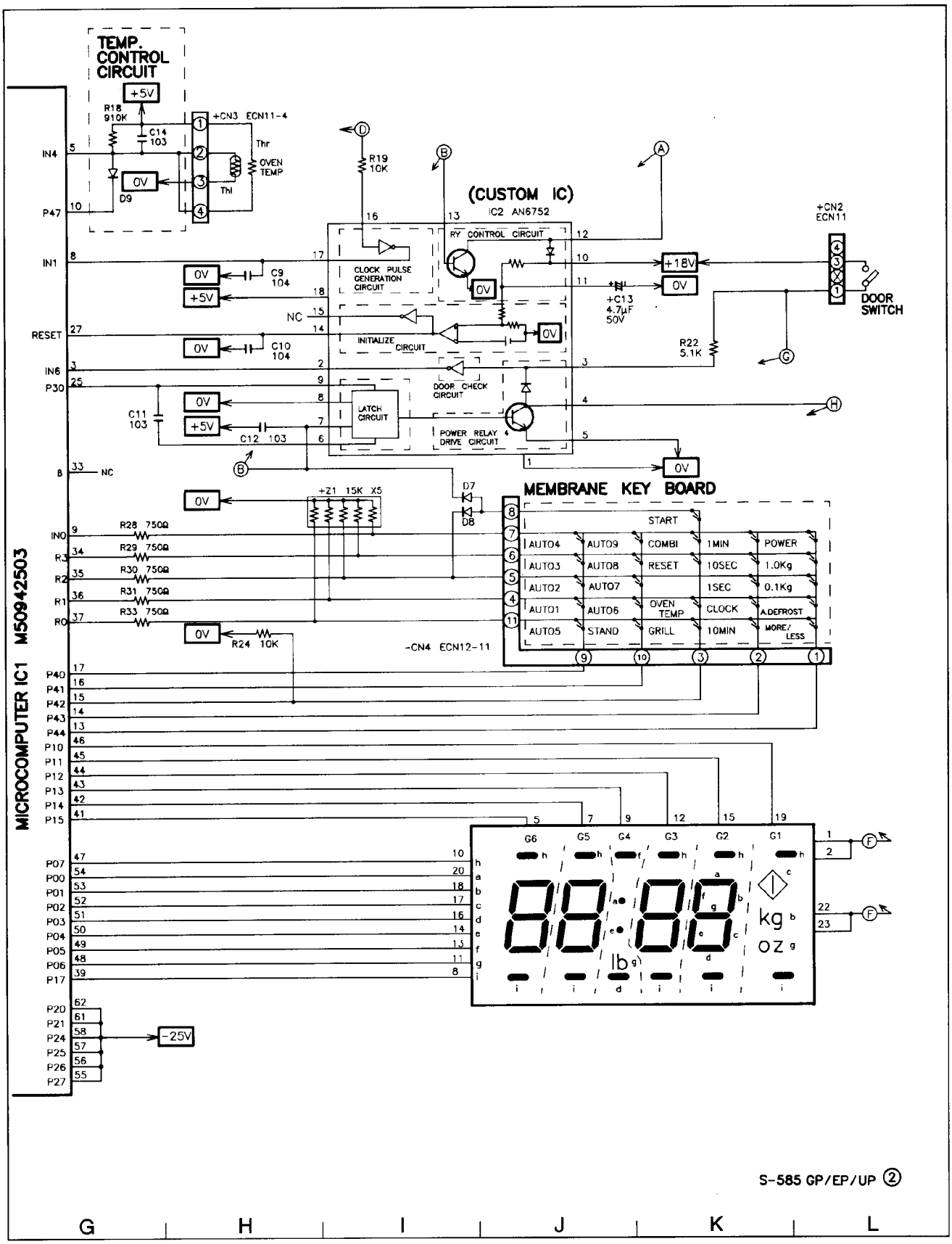



TEMP. CONTROL CIRCUIT
+5V
R18 910K
C14 103
+CN3 ECN11-4
Thr
OVEN TEMP
Thl
0V
D9
IN4
P47
R19 10K
(CUSTOM IC)
IC2 AN6752
RY CONTROL CIRCUIT
CLOCK PULSE GENERATION CIRCUIT
INITIALIZE CIRCUIT
DOOR CHECK CIRCUIT
LATCH CIRCUIT
POWER RELAY DRIVE CIRCUIT
+CN2 ECN11
+18V
DOOR SWITCH
+C13 4.7μF 50V
R22 5.1K
C9 104
C10 104
C11 103
C12 103
IN1
RESET
IN6
P30
NC
MEMBRANE KEY BOARD
START
AUTO4
AUTO9
COMBI
1MIN
POWER
AUTO3
AUTO8
RESET
10SEC
1.0Kg
AUTO2
AUTO7
1SEC
0.1Kg
AUTO1
AUTO6
OVEN TEMP
CLOCK
A.DEFROST
AUTO5
STAND
GRILL
10MIN
MORE/ LESS
-CN4 ECN12-11
D7
D8
+Z1 15K X5
R28 750Ω
R29 750Ω
R30 750Ω
R31 750Ω
R33 750Ω
R24 10K
IN0
R3
R2
R1
R0
P40
P41
P42
P43
P44
P10
P11
P12
P13
P14
P15
P07
P00
P01
P02
P03
P04
P05
P06
P17
P20
P21
P24
P25
P26
P27
-25V
G6
G5
G4
G3
G2
G1
kg
oz
lb
MICROCOMPUTER IC1 M50942503(GPG/EPG) M50942509(UPG)
S-584 GP/EP/UP ②
G
H
I
J
K
L

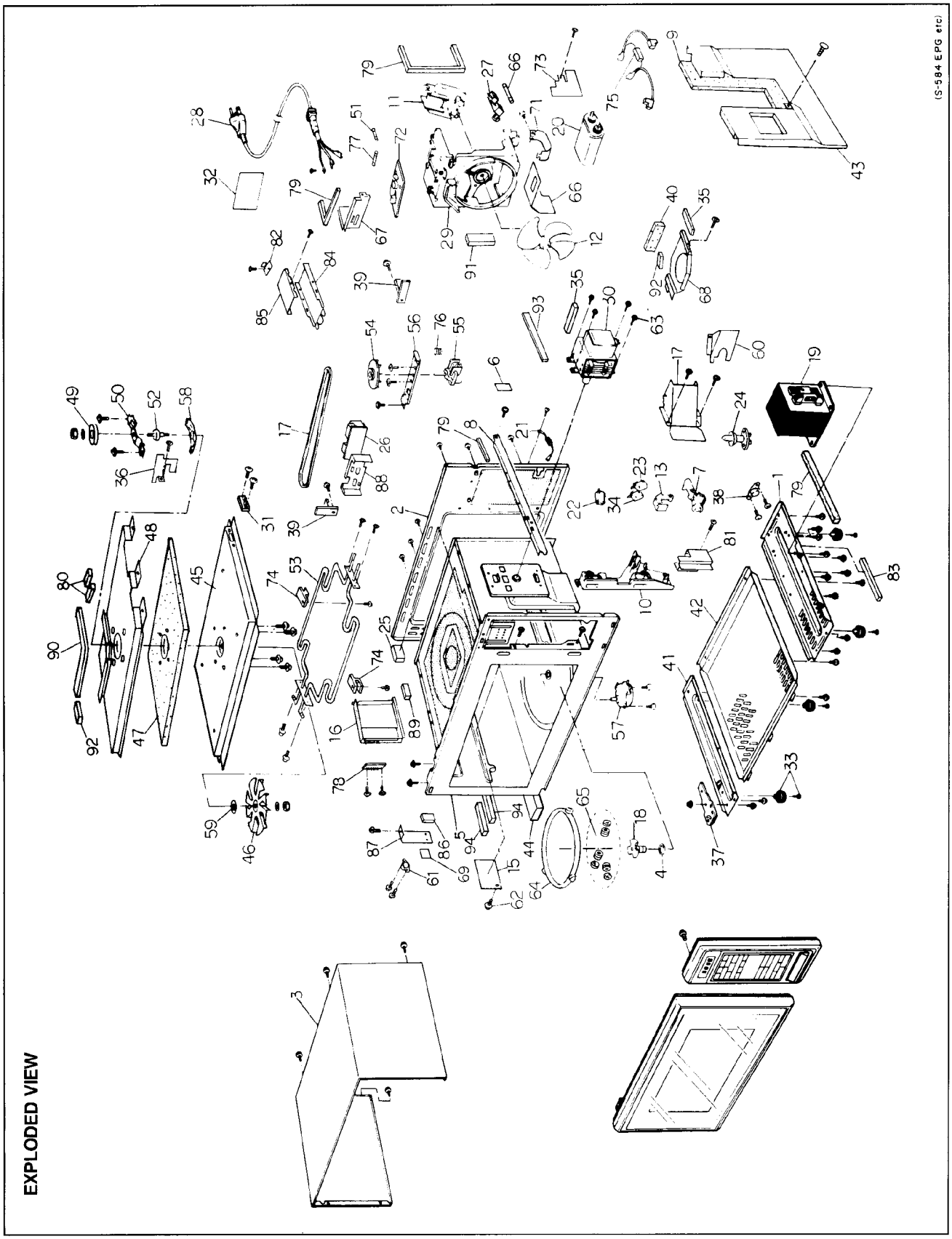
DIGITAL PROGRAMMER CIRCUIT (NN-8500, NN-8550)

SCHEMATIC DIAGRAM

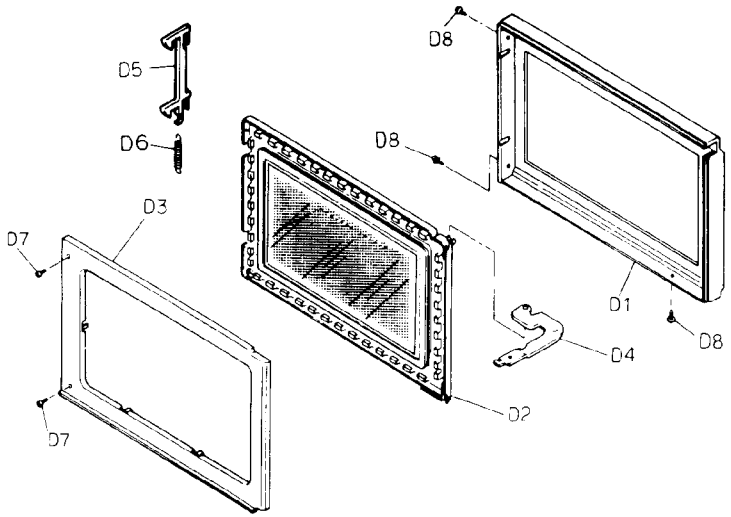



TEMP. CONTROL CIRCUIT
+5V
R18 910K
C14 103
+CN3 ECN11-4
Thr
OVEN TEMP
Thl
0V
D9
IN4
P47
R19 10K
(CUSTOM IC)
IC2 AN6752
RY CONTROL CIRCUIT
CLOCK PULSE GENERATION CIRCUIT
INITIALIZE CIRCUIT
DOOR CHECK CIRCUIT
LATCH CIRCUIT
POWER RELAY DRIVE CIRCUIT
+18V
+C13 4.7µF 50V
+CN2 ECN11
DOOR SWITCH
R22 5.1K
C9 104
C10 104
C11 103
C12 103
IN1
RESET
IN6
P30
NC
+Z1 15K X5
D7
D8
MEMBRANE KEY BOARD
START
AUTO4
AUTO3
AUTO2
AUTO1
AUTO5
AUTO9
AUTO8
AUTO7
AUTO6
STAND
COMBI
RESET
OVEN TEMP
GRILL
1MIN
10SEC
1SEC
CLOCK
10MIN
POWER
1.0Kg
0.1Kg
A.DEFROST
MORE/ LESS
-CN4 ECN12-11
R28 750Ω
R29 750Ω
R30 750Ω
R31 750Ω
R33 750Ω
R24 10K
IN0
R3
R2
R1
R0
MICROCOMPUTER IC1 M50942503
P40
P41
P42
P43
P44
P10
P11
P12
P13
P14
P15
P07
P00
P01
P02
P03
P04
P05
P06
P17
P20
P21
P24
P25
P26
P27
-25V
G6
G5
G4
G3
G2
G1
kg
oz
lb
S-585 GP/EP/UP ②

EXPLODED VIEW AND PARTS LIST

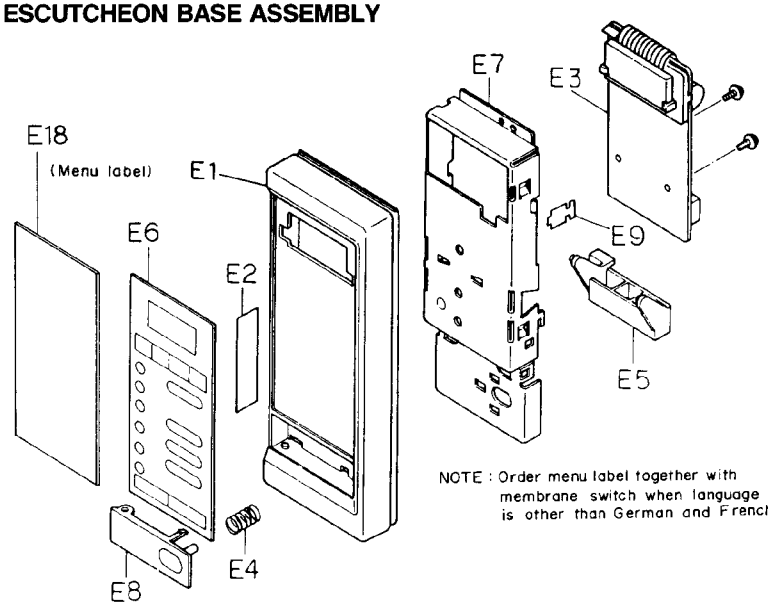


DOOR ASSEMBLY



(S-584 EPG etc)

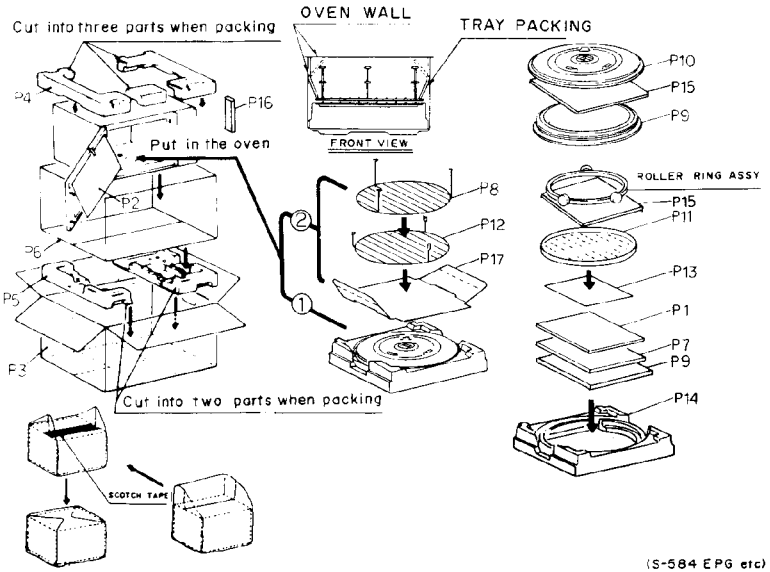
ESCUTCHEON BASE ASSEMBLY



NOTE : Order menu label together with membrane switch when language is other than German and French.

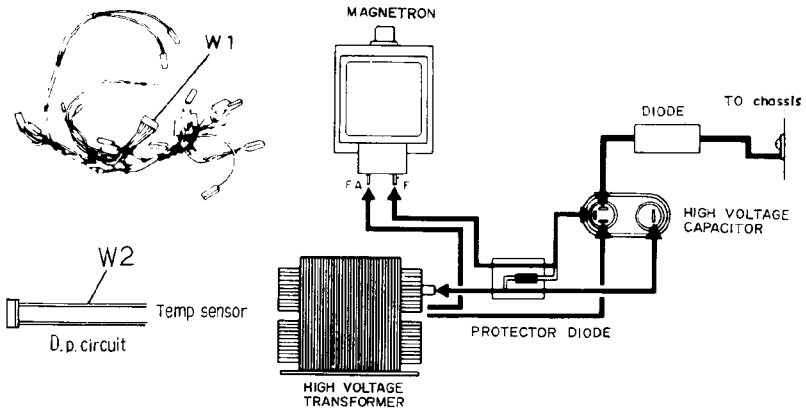
(S-584 EPG etc)

PACKING AND ACCESSORIES



(S-584 EPG etc)

WIRING MATERIAL



(S-584 EPG etc)

PARTS LIST

NOTE : Part numbers are indicated on most mechanical parts. Please use these part numbers for parts orders.

Important safety notice:

Components identified by ⚠ mark have special characteristics important for safety.

When replacing any of these components, use only manufacturer's specified parts.

Alphabet marks in Remarks columns (i.e.EPG,etc) indicate parts applicable to only specified country models as follows.

EPG: For Continental Europe and Scandinavian Countries, YPG: For Portugal and Greece, UPG: For France.

Parts without these marks can be used for all models.

Ref. No.		Part No.	Part Name & Description	Pcs/ Set	Remarks
1		A10015850GP	Base	1	
2		A10045850GP	Back panel	1	
3		A110D5850GP	Cabinet body assy	1	NN-8800, NN-8500
3		A110D5850HGP	Cabinet body assy	1	NN-8550, NN-8850
4		ANE2177-F80	Washer	1	
5		A200A5850GP	Oven	1	
6		ANE0033770XN	Fuse label	1	
7		A31374650AP	Hook spacer B	1	
8		A20365850AP	Reinforce bracket B	1	
9		A22435850GP	Adiabatic material B	1	
10	⚠	A30204310AG	Door hook A	1	
11	⚠	A400A4760JP	Fan motor	1	
12		ANE40086W0AP	Fan	1	
13		A31384650AP	Hook spacer C	1	
14		A400E5850GP	Air guide A	1	
15		A20555850AP	Cover A	1	
16		A400K5840GP	Exhaust guide A	1	NN-8800, NN-8850
16		A400K5850AP	Exhaust guide A	1	NN-8500, NN-8550
17		A41554250AP	Belt C	1	(Si)
18		A21315870GP	Pully shaft	1	
19	⚠	A620A4760HN	H.V.Transformer	1	1.5KVA
20		A60905850GP	H.V.Capacitor	1	1.14μF, 2100V
21	⚠	A62024000AP	Diode	1	(Si, 0.35A)
22	⚠	ANE61422Q0BP	Micro switch	1	Primary latch switch (AV53406)
23	⚠	A61425180AP	Micro switch	1	Secondary latch switch (L-3C2-Z)
24	⚠	A610T5850GP	Incandescent lamp	1	
25		ANE0925000BB	Cushion rubber C	1	
26		A603Y5840GP	P.C.Board D assy	1	NN-8800, NN-8850
26		A603Y5850GP	P.C.Board D assy	1	NN-8500, NN-8550
27		A62314000AP	Fuse holder	1	
28	⚠	A900C5850GP	AC cord W/plug	1	(250V)
29		A41445540AP	Orifice	1	
30	⚠	2M210-M1C	Magnetron	1	
31		A605Y4210AQ	Oven temp sensor	1	
32		ANE00062Q0EP	Warning label	1	
33		ANE1008-5S0	Rubber foot	4	
34	⚠	ANE61732Q0GP	Micro switch	1	Short switch (AV51406)
35		ANE000Z000AB	Cushion rubber C	2	
36		A40305850GP	Air guide D	1	
37	⚠	A30075540GP	Lower hinge	1	
38	⚠	A61454210AP	Thermal cutout	2	
39		A11405840GP	Stopper A	2	
40		ANE0928000BF	Cushion rubber C	1	
41		A11295540AP	Base B	1	
42		A10265850GP	Base C	1	
43		A22365850AP	Right heater panel	1	
44		ANE0928000BU	Cushion rubber C	1	
45		A203L5850GP	Upper panel B	1	
46		A22395850AP	Circulation Fan	1	
47		A22425850GP	Adiabatic material A	1	
48		A202N5850GP	Upper heater panel	1	
49		A41325850AP	Pully B	1	
50		A41575850AP	Fan bracket A	1	
51	⚠	ANE6230P10GN	Fuse	1	(16A)
52		A400S5850GP	Shaft assy	1	
53	⚠	A630G5850GP	Heater A	1	
54		A40085110BP	Fan	1	
55		A41795080BP	Heater fan moter	1	
56		A41805850GP	Bracket	1	
57	⚠	A63265870GP	Turntable moter	1	
58		A41585850AP	Fan bracket B	1	
59		A41635850AP	Spacer C	1	
60		A40265850GP	Air guide B	1	
61	⚠	A61454760JP	Thermal cutout	1	
62		XST4+5VS	Screw 4×5	1	(Cover)
63		XTWANE4+10RU	Tapping screw 4×10	4	(For Magnetron)
64		A290D5080BP	Roller ring assy	1	
65		A202K5870GP	Roller B assy	1	
66	⚠	ANE6230Z70BP	Fuse	1	(8A)
67		A40425850GP	Air guide F	1	
68		A40475850GP	Air guide E	1	
69		A62384310AG	Spacer	1	
70		A81335850AP	Plate	1	
71		A60374760GP	Capacitor bracket	1	
72	⚠	A692Y5840GP	Noise filter	1	
73	⚠	A61705850GP	Insulation sheet C	1	
74		A64175850AP	Heater support	2	
75		A606V4760JP	Protector diode	1	(Si)
76		ANE4057-F50	Spring	1	
77	⚠	XBA2C25TR0BS	Fuse	1	(2.5A)
78	⚠	A601L4780AP	Temp sensor	1	NN-8800, NN-8850
79		ANE000Z000AA	Cushion rubber C	4	
80		ANE0961000AB	Cushion rubber D	2	
81		A40315850GP	Air guide C	1	
82		A41255850GP	Bracket	1	
83		ANE0928000BK	Cushion rubber C	1	
84		A42115850GP	Air guide H	1	
85		A42125850GP	Air guide I	1	
86		A62385850GP	Spacer	1	
87		A66265850GP	Thermal cutout mount	1	
88		A11265850GP	Mounting plate		
89		A22585080GP	Adiabatic material C	1	
90		ANE0962000AR	Cushion rubber D	1	
91		ANE0962000DF	Cushion rubber D	1	
92		ANE0964000BC	Cushion rubber C	2	
93		ANE0964000BM	Cushion rubber C	1	
94		ANE0964000BF	Cushion rubber D	2	

DOOR ASSEMBLY

D1		A302A5840GP	Door A assy	1	NN-8800
D1		A302A5840HGP	Door A assy	1	NN-8850
D1		A302A5850GP	Door A assy	1	NN-8500
D1		A302A5850HGP	Door A assy	1	NN-8550
D2		A302K5850AP	Door E assy	1	
D3		A30855850AP	Door C	1	NN-8800, NN-8500

Ref. No.		Part No.	Part Name & Description	Pcs/ Set	Remarks
D3		A30855850HAP	Door C	1	NN-8850, NN-8550
D4		A300B5850AP	Upper hinge	1	
D5		A30184650AP	Door key A	1	
D6		A30214000AP	Door key spring	1	
D7		XTBANE4+12FK	Tapping screw 4×12	2	NN-8800, NN-8500
D7		XTBANE4+12FC	Tapping screw 4×12	2	NN-8850, NN-8550
D8		XTBANE3+8BZ	Tapping screw 3×8	3	NN-8800, NN-8500
D8		XTBANE3+8BC	Tapping screw 3×8	3	NN-8850, NN-8550

ESCUTCHEON BASE ASSEMBLY

E1		A80345850GP	Escutcheon base	1	NN-8800, NN-8500
E1		A80345850HCQ	Escutcheon base	1	NN-8850, NN-8550
E2		A01575840EP	Name plate	1	NN-8800 EPG
E2		A01575840YP	Name plate	1	NN-8800 YPG
E2		A01575840UP	Name plate	1	NN-8800 UPG
E2		A01575840HEP	Name plate	1	NN-8850 EPG
E2		A01575840HYP	Name plate	1	NN-8850 YPG
E2		A01575840HUP	Name plate	1	NN-8850 UPG
E2		A01575850EP	Name plate	1	NN-8500 EPG
E2		A01575850YP	Name plate	1	NN-8500 YPG
E2		A01575850UP	Name plate	1	NN-8500 UPG
E2		A01575850HEP	Name plate	1	NN-8550 EPG
E2		A01575850HYP	Name plate	1	NN-8550 YPG
E2		A01575850HUP	Name plate	1	NN-8550 UPG
E3	⚠	A603L5840EP	D.P.Circuit assy	1	NN-8800 EPG/YPG, NN-8850 EPG/YPG (W/Component)
E3	⚠	A603L5840UP	D.P.Circuit assy	1	NN-8800 UPG, NN-8850 UPG (W/Component)
E3	⚠	A603L5850EP	D.P.Circuit assy	1	NN-8500 EPG/YPG, NN-8550 EPG/YPG (W/Component)
E3	⚠	A603L5850UP	D.P.Circuit assy	1	NN-8500 UPG, NN-8550 UPG (W/Component)
E4		ANE80378A0AG	Spring	1	
E5		A82565540AP	Door opening lever	1	
E6	⚠	A64795840EP	Membrane switch	1	NN-8800 EPG/YPG
E6	⚠	A64795840UP	Membrane switch	1	NN-8800 UPG
E6	⚠	A64795840HEP	Membrane switch	1	NN-8850 EPG/YPG
E6	⚠	A64795840HUP	Membrane switch	1	NN-8850 UPG
E6	⚠	A64795850EP	Membrane switch	1	NN-8500 EPG/YPG
E6	⚠	A64795850UP	Membrane switch	1	NN-8500 UPG
E6	⚠	A64795850HEP	Membrane switch	1	NN-8550 EPG/YPG
E6	⚠	A64795850HUP	Membrane switch	1	NN-8550 UPG
E7		A81275540AP	Bracket	1	
E8		A80725540GP	Door opening button	1	NN-8800, NN-8500
E8		A80725540HAQ	Door opening button	1	NN-8850, NN-8550
E9		A82905850GP	Spacer	1	

PACKING AND ACCESSORIES

P1		A00035850EP	Instruction book	1	NN-8800 EPG/YPG, NN-8850 EPG/YPG, NN-8500 EPG/YPG, NN-8550 EPG/YPG
P1		A00035840UP	Instruction book	1	NN-8800 UPG, NN-8850 UPG
P1		A00035850UP	Instruction book	1	NN-8500 UPG, NN-8550 UPG
P2		A01075240AP	Door sheet	1	
P3		A01025840EP	Packing case, paper	1	NN-8800 EPG/YPG
P3		A01025840UP	Packing case, paper	1	NN-8800 UPG
P3		A01025840HEP	Packing case, paper	1	NN-8850 EPG/YPG
P3		A01025840HUP	Packing case, paper	1	NN-8850 UPG
P3		A01025850EP	Packing case, paper	1	NN-8500 EPG/YPG
P3		A01025850UP	Packing case, paper	1	NN-8500 UPG
P3		A01025850HEP	Packing case, paper	1	NN-8550 EPG/YPG
P3		A01025850HUP	Packing case, paper	1	NN-8550 UPG
P4		A01045850AP	Upper filler	1	
P5		A01055850AP	Lower filler	1	
P6		A01065200AP	Vinyl cover	1	
P7		A000B5750EP	Cook book	1	NN-8800 EPG, NN-8850 EPG NN-8500 EPG, NN-8550 EPG
P7		A000B5750YP	Cook book	1	NN-8800 YPG, NN-8850 YPG NN-8500 YPG, NN-8550 YPG
P7		A000B5850UP	Cook book	1	NN-8800 UPG, NN-8850 UPG, NN-8500 UPG, NN-8550 UPG
P8		A06024970GP	Oven rack	1	NN-8800 EPG/YPG, NN-8850 EPG/YPG, NN-8500 EPG/YPG, NN-8550 EPG/YPG
P8		A06025850AP	Oven rack	1	NN-8800 UPG, NN-8850 UPG, NN-8500 UPG, NN-8550 UPG
P9		A06015080BP	Metal tray	1	
P10		A06014760BP	Glass cooking tray	1	
P11		A06485020AP	Spatter shield	1	NN-8800 EPG/YPG, NN-8850 EPG/YPG, NN-8500 EPG/YPG, NN-8550 EPG/YPG
P12		A06025080BP	Oven rack	1	
P13		ANE0169Q50GN	Servicenter list	1	
P14		A01135850AP	Tray styrol	1	
P15		ANE0207-860	Oven sheet	2	NN-8800 EPG/YPG, NN-8850 EPG/YPG, NN-8500 EPG/YPG, NN-8550 EPG/YPG
P15		ANE0207-860	Oven sheet	1	NN-8800 UPG, NN-8850 UPG, NN-8500 UPG, NN-8550 UPG
P16		A01455850AP	Door sheet B	1	
P17		A01085850GP	Tray packing	1	NN-8800 EPG/YPG, NN-8850 EPG/YPG, NN-8500 EPG/YPG, NN-8550 EPG/YPG
P17		A01085850UP	Tray packing	1	NN-8800 UPG, NN-8850 UPG, NN-8500 UPG, NN-8550 UPG
P18		A03345840PZ	Menu label	1	NN-8800 EPG/YPG (Portuguese)
P18		A03345840SZ	Menu label	1	NN-8800 EPG/YPG (Spanish)
P18		A03345840HZ	Menu label	1	NN-8800 EPG/YPG (Dutch)
P18		A03345840FZ	Menu label	1	NN-8800 EPG/YPG (French)
P18		A03345840EZ	Menu label	1	NN-8800 EPG/YPG (Italian)
P18		A03345840DZ	Menu label	1	NN-8800 EPG/YPG (Danish)
P18		A03345840NZ	Menu label	1	NN-8800 EPG/YPG (Norwegian)
P18		A03345840KZ	Menu label	1	NN-8800 EPG/YPG (Finnish)
P18		A03345840WZ	Menu label	1	NN-8800 EPG/YPG (Swedish)
P18		A03345840HPZ	Menu label	1	NN-8850 EPG/YPG (Portuguese)
P18		A03345840HSZ	Menu label	1	NN-8850 EPG/YPG (Spanish)
P18		A03345840HHZ	Menu label	1	NN-8850 EPG/YPG (Dutch)
P18		A03345840HFZ	Menu label	1	NN-8850 EPG/YPG (French)
P18		A03345840HEZ	Menu label	1	NN-8850 EPG/YPG (Italian)
P18		A03345840HDZ	Menu label	1	NN-8850 EPG/YPG (Danish)
P18		A03345840HNZ	Menu label	1	NN-8850 EPG/YPG (Norwegian)
P18		A03345840HKZ	Menu label	1	NN-8850 EPG/YPG (Finnish)
P18		A03345840HWZ	Menu label	1	NN-8850 EPG/YPG (Swedish)
P18		A03345850PZ	Menu label	1	NN-8500 EPG/YPG (Portuguese)
P18		A03345850SZ	Menu label	1	NN-8500 EPG/YPG (Spanish)
P18		A03345850HZ	Menu label	1	NN-8500 EPG/YPG (Dutch)
P18		A03345850FZ	Menu label	1	NN-8500 EPG/YPG (French)
P18		A03345850EZ	Menu label	1	NN-8500 EPG/YPG (Italian)
P18		A03345850DZ	Menu label	1	NN-8500 EPG/YPG (Danish)
P18		A03345850NZ	Menu label	1	NN-8500 EPG/YPG (Norwegian)
P18		A03345850KZ	Menu label	1	NN-8500 EPG/YPG (Finnish)
P18		A03345850WZ	Menu label	1	NN-8500 EPG/YPG (Swedish)
P18		A03345850HPZ	Menu label	1	NN-8550 EPG/YPG (Portuguese)
P18		A03345850HSZ	Menu label	1	NN-8550 EPG/YPG (Spanish)
P18		A03345850HHZ	Menu label	1	NN-8550 EPG/YPG (Dutch)
P18		A03345850HFZ	Menu label	1	NN-8550 EPG/YPG (French)
P18		A03345850HEZ	Menu label	1	NN-8550 EPG/YPG (Italian)
P18		A03345850HDZ	Menu label	1	NN-8550 EPG/YPG (Danish)

Ref. No.		Part No.	Part Name & Description	Pcs/ Set	Remarks
P18		A03345850HNZ	Menu label	1	NN-8550 EPG/YPG (Norwegian)
P18		A03345850HKZ	Menu label	1	NN-8550 EPG/YPG (Finnish)
P18		A03345850HWZ	Menu label	1	NN-8550 EPG/YPG (Swedish)
P19		A000E5850EP	Cook book B	1	NN-8800 EPG, NN-8850 EPG, NN-8500 EPG, NN-8550 EPG
P19		A000E5850YP	Cook book B	1	NN-8800 YPG, NN-8850 YPG, NN-8500 YPG, NN-8550 YPG
WIRING MATERIAL					
W1		A030A5850GP	Lead wire harness	1	
W2		A03535450QP	Lead wire	1	NN-8800, NN-8850
REF.NO.26 P.C.BOARD D ASSY					
RY5	⚠	AEG5J1EG12B	Power relay	1	
F2		A604K5100GP	Weak point element	1	
F3		A604K5100BP	Weak point element	1	NN-8800, NN-8850
T1	⚠	A62495840GP	L.V.Transformer	1	NN-8800, NN-8850
T1	⚠	A62495850GP	L.V.Transformer	1	NN-8500, NN-8550
		AEEMMA00D04W	4 pin connector	1	
REF.NO.72 NOISE FILTER					
C1		ECQU2A104MN	Polyester capacitor	1	0.1μF, ±20%, 250V
C2, 3	⚠	ECKDNS472MEX	Ceramic capacitor	2	(Single layer) 0.0047μF, ±20%, 250V
CN1		AEEMMA00703W	3 pin connector	1	
ZNR1		ERZC10DK621F	Varistor	1	
ZNR2, 3		ERZC10DK112A	Varistor	2	
L1		A621A5750GP	Filter coil	1	
F1		ANE6231Q50GN	Fuse holder	2	
F2		ANE6231H60RN	Fuse holder	2	
R2		ERD25FJ564S	Cabon film resistor	1	560KΩ, ±5%, 1/4W

NOTE 1: Please order name plate together.

DIGITAL PROGRAMMER CIRCUIT (NN-8800,NN-8850,NN-8500,NN-8550)

PARTS LIST

Ref. No.	Part No.	Description	Pcs/ Set	Remarks
DISP	A64565540GP	Fluorescent tube	1	
SPACER	A82845540GP	Spacer cushion	1	For DISP
CN1	AEEMMA05507R	7 pin connector	1	
CN2	AEEMMA00503W	3 pin connector	1	
CN3	AEEMMA00F04W	4 Pin connector	1	
CN4	AEEM11FDZBTM	11 pin connector	1	
CN5	AEEMMA07507W	7 Pin connector	1	NN-8800,NN-8850
CN6	AEEMB07BEMA	7 Pin connector	1	
BZ	AEFB22EP2002	Buzzer	1	2kHz
CX1	AEFFT4R19GWT	Ceramic resonator	1	4.19MHz
RY1,2,3	AEBG5B18P-1	Power relay	3	(18V)
RY4,7	AEG5J1EG12B	Power relay	2	(12V)
RY6	AEAWJXDC18G	Power relay	1	(18V)
IC1	AEIC50942503	L.S.I. (MOS Microprocessor IC)	1	Except NN-8800UPG and NN-8850UPG
IC1	AEIC50942509	L.S.I. (MOS Microprocessor IC)	1	NN-8800UPG, NN-8850UPG
IC2	AN6752	I.C. (Bipolar Linear IC)	1	
IC3	AEICBA12004	I.C.	1	
Q1	2SD2006-RTA	Transistor, Si 250mW	1	(120MHz)
Q2	UN4211-(TA)	Transistor, Si	1	NN-8800,NN-8850
Q3	2SC1685-RTA	Transistor, Si	1	NN-8800,NN-8850
Q4	2SA720-RTA	Transistor, Si	1	
Q5	UN4123-(TA)	Transistor, Si	1	
Q6	2SC1318-RTA	Transistor, Si 400mW	1	(200MHz)
D1,2	AEDNERA1502	Diode, Si	2	(0.1A)
D6,7,8,9,21	MA195-(TA5)	Diode, Si	5	(0.1A)
ZD1	AEDZ5R6ES2T1	Zener diode, Si	1	
ZD2	AEDZ4R7ES3T1	Zener diode, Si	1	
ZD4	AEDZ4R3ES3T1	Zener diode,Si	1	NN-8800,NN-8850
ZD5	AEDZ15ES3T1	Zener diode, Si	1	
ZD6	AEDZ20ES3T1	Zener diode, Si	1	
C1	ECEA1VU102E	Electrolytic capacitor, Al	1	1000 μF, −10%−30%,35V
C2	ECEA1VU221B	Electrolytic capacitor, Al	1	220μF, −10%+30%, 35V
C3	ECEA1CU220B	Electrolytic capacitor, Al	1	22μF, −10%+30%, 16V
C5	ECEA1CU100B	Electrolytic capacitor, Al	1	10μF,−10%+30% 16V NN-8800,NN-8850
C6	ECEA1HUR47B	Electrolytic capacitor, Al	1	0.47μF,−10%+30%, 50V NN-8800,NN-8850
C7	ECKR1H102ZF	Ceramic capacitor	1	0.001 μF, − 20% + 80%,50V NN-8800,NN-8850
C8,9,10	AECF50F104Z	Ceramic capacitor	3	0.1μF,−20%+80%, 50V
C11,12,14	ECBT1E103ZF5	Ceramic capacitor	3	(Single layer) 0.01 μ F, − 20% + 80%,25V
C13	ECEA1HU4R7B	Electrolytic capacitor, Al	1	0.47 μ F, − 10% + 30%,50V
R1,2,12,15	ERDS2TJ201T	Carbon film resistor	4	200Ω ±5%, 1/4W NN-8800,NN-8850
R1,2	ERDS2TJ201T	Carbon film resistor	2	200Ω ±5%, 1/4W NN-8500,NN-8550
R3,19,20, 24,41,43,	ERDS2TJ103T	Carbon film resistor	6	10kΩ ±5%, 1/4W
R4,5,6,7,23, 28,29,30,31, 32,33	ERDS2TJ751T	Carbon film resistor	11	750Ω ±5%, 1/4W NN-8800,NN-8850
R4,5,23, 28,29,30, 31,32,33	ERDS2TJ751T	Carbon film resistor	9	750Ω, ±5%, 1/4W NN-8500,NN-8550
R8,9,10,11	ERDS2TJ181T	Carbon film resistor	4	180Ω, ±5%, 1/4W NN-8800,NN-8850
R13,14,22,27	ERDS2TJ512T	Carbon film resistor	4	5.1kΩ, ±5%, 1/4W NN-8800,NN-8850
R14,22,27	ERDS2TJ512T	Carbon film resistor	3	5.1kΩ, ±5%, 1/4W NN-8500,NN-8550
R25	ERDS2TJ105T	Carbon film resistor	1	1MΩ, ±5%, 1/4W NN-8500,NN-8550
R16,25	ERDS2TJ105T	Carbon film resistor	2	1MΩ, ±5%, 1/4W NN-8800,NN-8850
R17	ERDS2TKF8662	Carbon film resistor	1	86.6kΩ,±1%, 1/4W NN-8800,NN-8850
R18	ERDS2TJ914T	Carbon film resistor	1	910kΩ, ±5%, 1/4W
R26	ERDS2TJ153T	Carbon film resistor	1	15kΩ, ±5% 1/4W
R34,35,50,51 52,53	ERDS2TJ470T	Carbon film resistor	6	47Ω, ±5%, 1/4W
R38,39	ERDS2TJ510T	Carbon film resistor	2	51Ω, ±5%, 1/4W
Q2,C7	ERDS2TJ104T	Carbon film resistor	2	100kΩ, ±5%, 1/4W NN-8500,NN-8550
J31	ERDS2TJ1R5T	Carbon film resistor	1	1.5Ω, ±5%, 1/4W
JPR1	ERDS2TJ512T	Carbon film resistor	1	5.1kΩ, ±5%, 1/4W
JPR2	ERD25VJ152T	Carbon film resistor	1	1.5kΩ, ±5%, 1/4W NN-8800,NN-8850 (EPG,YPG)
JPR2	ERD25VJ752T	Carbon film resistor	1	7.5kΩ, ±5%, 1/4W NN-8800,NN-8850 (UPG)
JPR2	ERD25VJ362T	Carbon film resistor	1	3.6kΩ, ±5%, 1/4W NN-8500,NN-8550 (JPG)
Z1	AEXBM5X153JT	Compound resistor	1	15kΩX5, ±5%,

SERVICE FIXTURES AND TOOLS

EXTENSION CABLES

NOTE: To be used when repairing the DPC board assembly directly on the oven for easy access of the board.

Ref. No.	Part No.	Description	Pcs/ Set	Remarks
	AT40M007	7 pin Extention Cable	2	Cable No. 37
	AT40M003	3 pin Extension Cable	1	Cable No. 36
	AT40M004	4 pin Extension Cable	1	Cable No. 16
	AT40K007	7 pin Extension Cable	1	Cable No. 42

DPC COMMON CHECKER AND ITS CABLE

NOTE: To be used only when DPC common checker is available.

Ref. No.	Part No.	Description	Pcs/ Set	Remarks
	ANE600ZK70GP	DPC. Common Checker	1	
	AT30A5840GP	DPC. Checker Cable	1	NOTE